

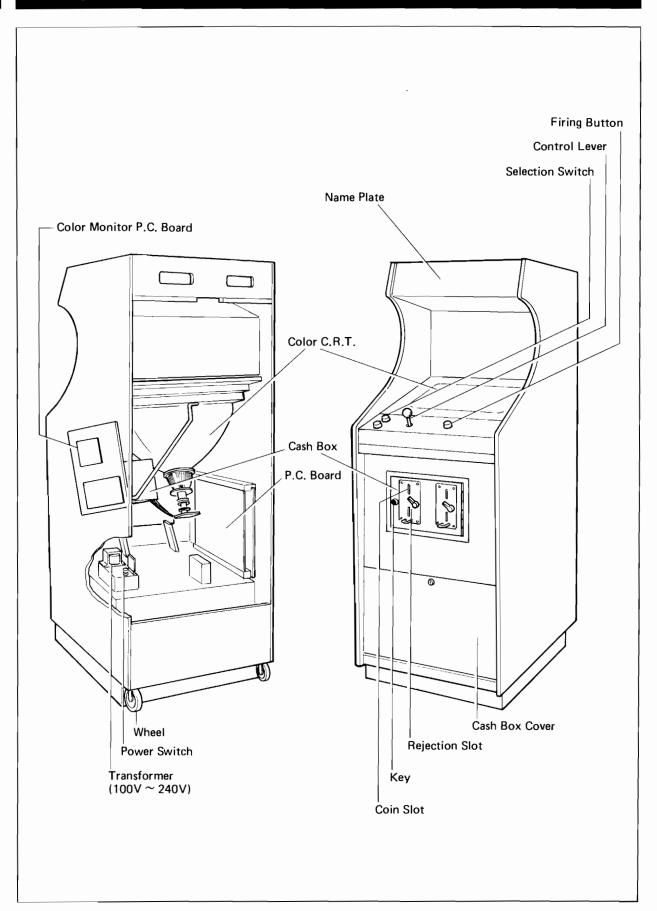
# SERVICE INSTRUCTION





#### 1

### EACH PARTS NAME (UPRIGHT MODEL)



### 2 SPECIFICATIONS

**POWER SOURCE** :  $100 \sim 240 \text{V}$  (Variable)

WATT CONSUMPTION : 100W

COINAGE: 1 coin per play, 2 coins per play, 3 coins per play, 4 coins per play

\* OPTION (Selecter 2)

: 1 coin per play, 1 coin per 2 plays, 1 coin per 3 plays

PLAYER : 1 or 2 players

GAME LIMIT : 3 Rockets ~ 6 Rockets

KEYS : Coin Door key 1 set. Rear Door key 1 set.

Cash box key 1 set

FUSE RATINGS : 1 at 5A, 2 at 3A

		Width	Depth	Height	C.R.T	
UPRIGHT	BODY	600 m/m	690 m/m	1,625 m/m	20 inch	
MODEL	CASH BOX	395 m/m	300 m/m 285 m/m		20 inch	
TABLE MODEL	BODY with LEGS	850 m/m	545 m/m $625$ m/m $\sim$ 765 m/m (5 position adjustable)		14 inch	
	CASH BOX	155 m/m	285 m/m	125 m/m		

- These instructions and specifications may be changed without prior notification.
- If this machine is reconstructed without our permission, we can not take responsibility for the machine.

#### 3 NOTES

- The MOON SHUTTLE has a T.V. monitor and care must be taken in moving this fragile machine.
- To prevent the cabinet over-heating do not place the MOON SHUTTLE directly in the sun or near heating.
- For a short time after connecting to power, the picture may be temporarily distorted.
- Do not check the solid state module with a TESTER even if you find out there is something wrong with it. The IC may be destroyed by the voltage of a TESTER.
- Disconnect the power supply before inserting or removing the P.C. board.

#### 4 HOW TO PLAY

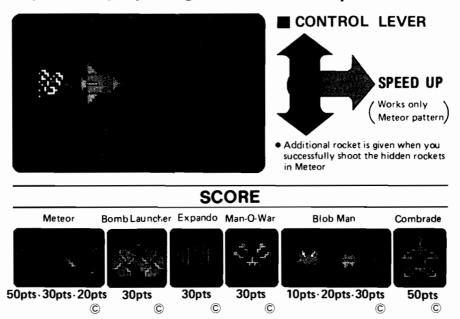
THE INVASION OF STRONG ENEMY FORCES
AND THE PRINCE OF DARKNESS.
A DECISIVE CHALLENGE AGAINST THE COMING
DICTATORSHIP OF THE UNIVERSE.

SURVIVE THE SUDDEN ATTACKS OF DARK FORCES AND FLYING METEORS UTILIZING THE SPEED CONTROL AND THE UNDULATION CANNON. A FEARFUL THREAT WAS CONSPIRING AGAINST THE DEFENSE ARMY.

TO DEFEAT THE PRINCE OF DARKNESS, WHO BY SOME STRANGE WAY INCREASES HIS FORCE BY MULTIPLYING.
THE MOON SHUTTLE IS LAUNCHED FROM STATION - 47, THE MAIN HOON

#### PLAYING RULES

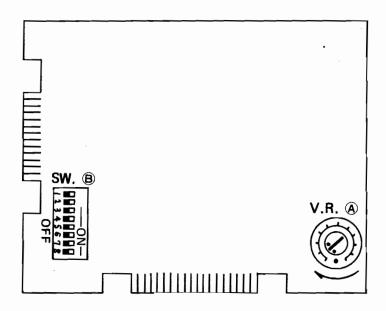
- Play with one or two players
- Insert coin, select 1 or 2 player button
- Move the rocket with the control lever, shoot down enemies
- Dodge + Shoot the converging Meteor, speed up to avoid the collision
- If you put coin additionally before game is over, you can play the game continuously



### 5 OPERATER ADJUSTMENTS

#### • V.R.A

V.R. for the adjustment of sound volume. It will become smaller in turning it to the arrowmark.



#### • SW(B)

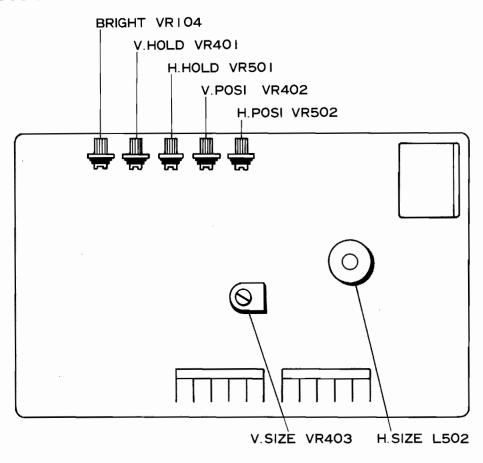
	DIP SWITCH NUMBER					DESCRIPTION			
	1	2	3	4	5	6	7	8	DESCRIPTION
NUMBER	OFF	OFF							3 ROCKETS
NUMBER OF	ON	OFF							4 ROCKETS
ROCKETS	OFF	ON							5 ROCKETS
	ON	ON							6 ROCKETS
POINTS OF ADDITIONAL			OFF						15,000 POINTS
ROCKET			ON						30,000 POINTS
COIN				OFF	OFF				1 COIN - 1 CREDIT
SELECTOR	1			ON	OFF				2 COINS - 1 CREDIT
1				OFF	ON				3 COINS - 1 CREDIT
COINAGE				ON	ON				4 COINS - 1 CREDIT
						OFF	OFF	OFF	1 COIN - 1 CREDIT
						ON	OFF	OFF	1 COIN - 2 CREDITS
COIN SELECTOR	İ					OFF	ON	OFF	1 COIN - 3 CREDITS
2						ON	ON	OFF	1 COIN - 4 CREDITS
COINAGE						OFF	OFF	ON	1 COIN - 5 CREDITS
	1					ON	OFF	ON	1 COIN - 6 CREDITS
						OFF	ON	ON	1 COIN - 7 CREDITS
FREE PLAY						ON	ON	ON	FREE PLAY

- Switch adjustment have to be done after disconnect the power supply.
- Switches are set as under-lined position when the machine is shipped.

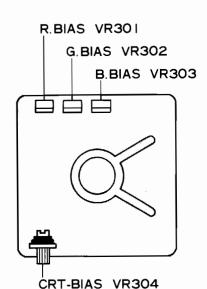
#### 6 MONITOR ADJUSTMENTS

#### MITSUBISHI COLOR MONITOR

● MAIN-PWB (Weight about 430g)

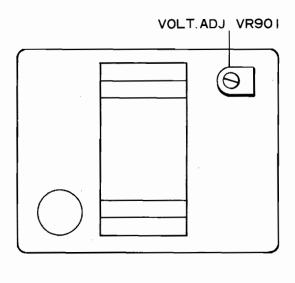


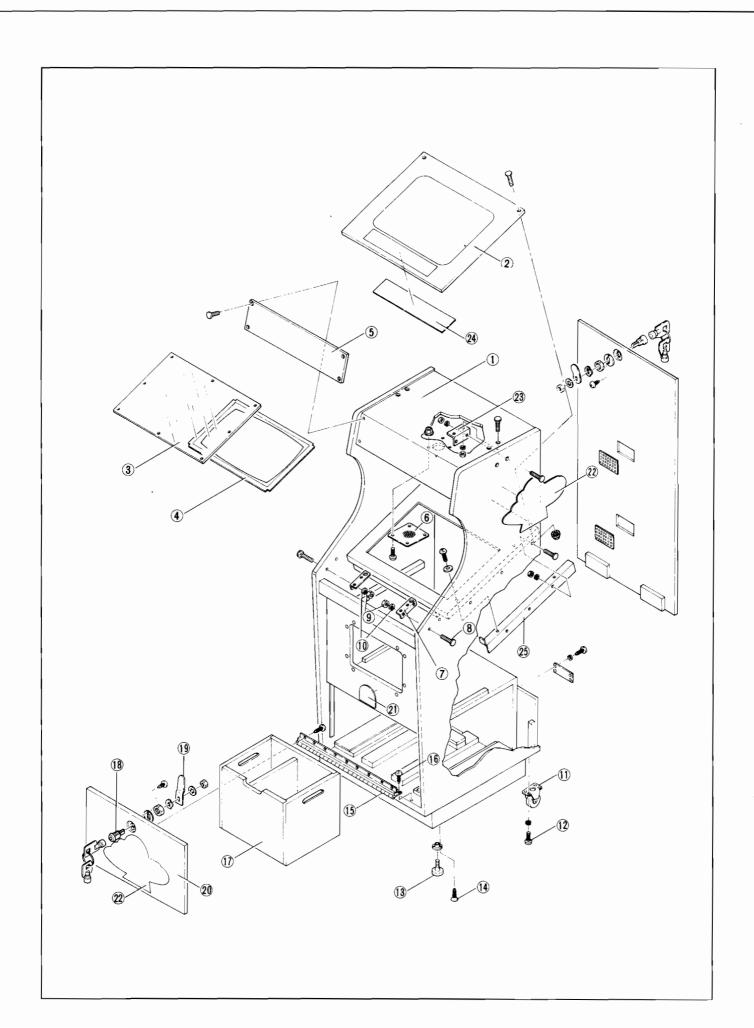
#### • PWB-CRT (Weight about 120g)



#### ● POWER-PWB

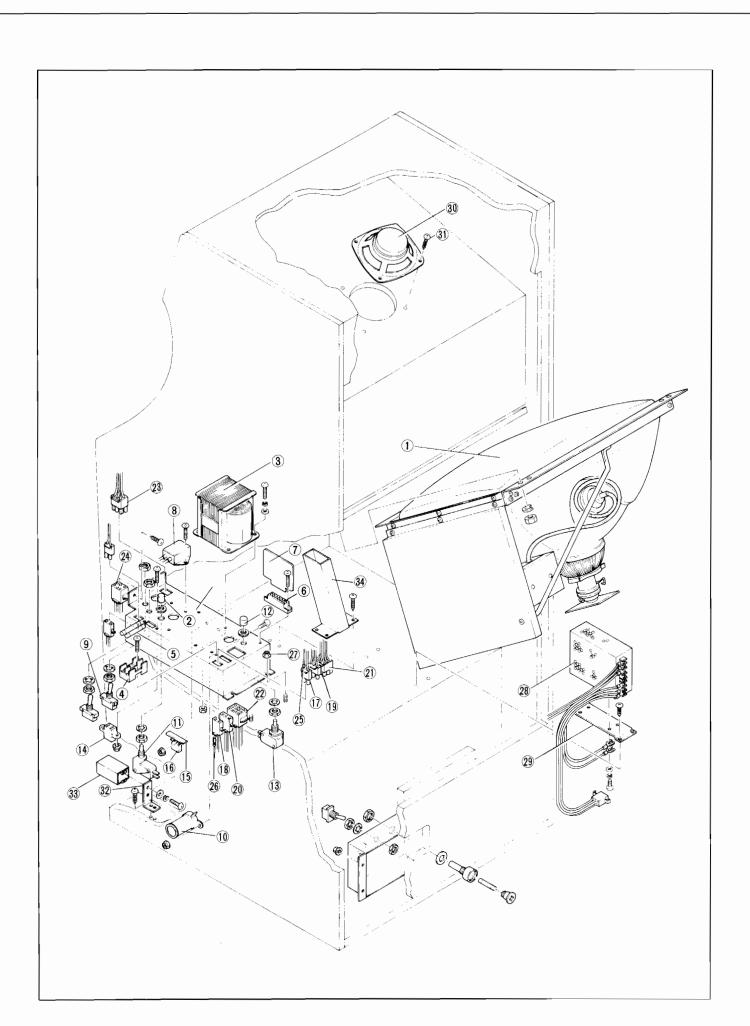
(Weight about 250g)





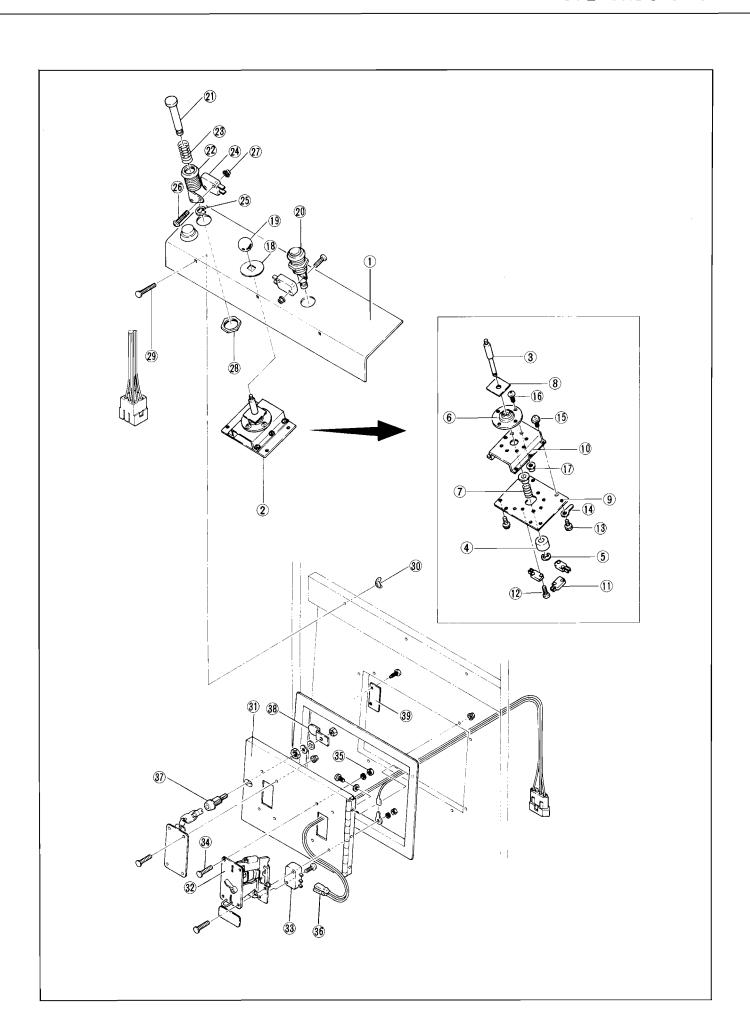
## **EXTERIOR ASSEMBLY**

NO.	PARTS NO.	DESCRIPTION	
1	MSA8001	Cabinet Assy	
2	MSA8002	Front Panel	
3	CCA7003	Smoked Plate	·
4	CCA7004	TV. Mask	
5	MSA8003	Name Panel	
6	TA50023	Speaker Cover	
7	CCA7006	Bracket A	
8	CCA7007	Bolt	
9	CCA7008	Nut	
10	CCA7009	Spring Washer	
11	CCA7010	Caster	
12	CCA7011	Bolt	
13	CCA7012	Adjuster	
14	CCA7013	Screw Bolt	
15	CCA7014	Cash Box Cover Hinge	
16	CCA7015	Screw Bolt	
17	CCA7016	Cahs Box	
18	CC70008	Key Set	
19	CCA7017	Key Rock Plate	
20	CCA7018	Cash Box Cover	
21	MCA7019	Nichibutsu Sticker	
22	MSA8004	Character Sticker	
23	CCA8021	Bracket B	
24	MSA8005	Playing Information Card	
25	CCA7055	Bracket C.R.T. Support Bracket	



# 8 VIDEO ASSEMBLY

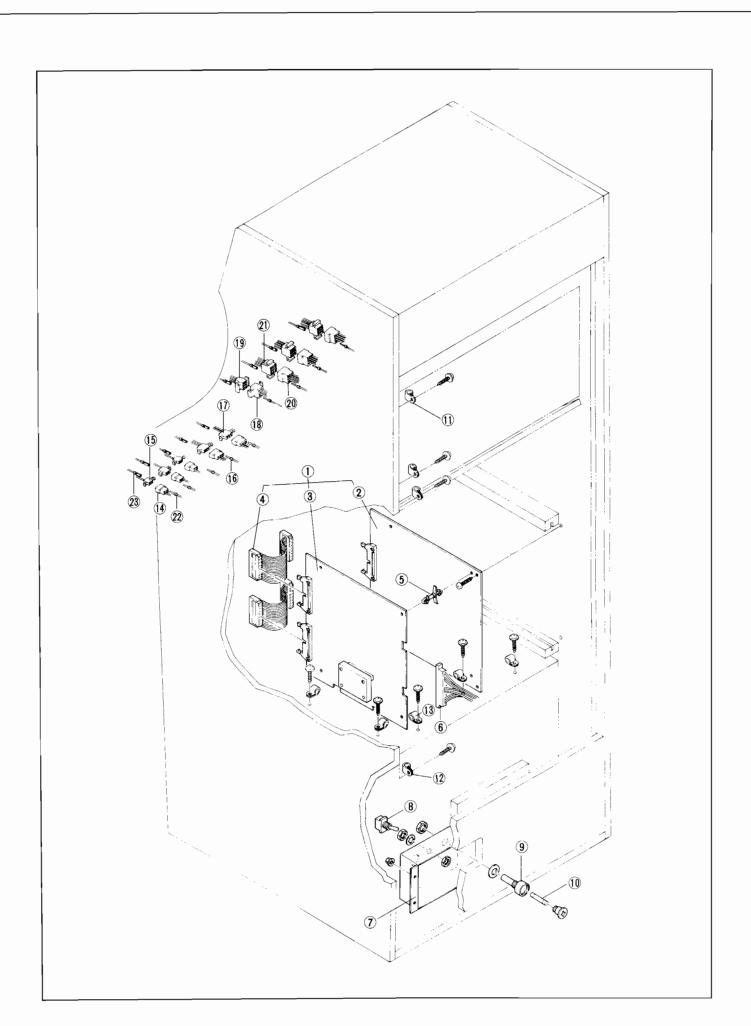
NO.	PARTS NO.	DESCRIPTION	
1	CCA8023	C.R.T. Monitor Assy	
2	MSA8006	Power Supply Bracket	
3	AL20026	Transformer	
4	TA50033	Fuse Holder	
5	PC50052	Fuse	
6	BP10042	Kel Connector (10P)	
7	CC70039	CCG-5 PC Board	
8	TA50036	Noise Filter	
9	BP10017	Power Source Change Switch	
10	MB20011	Electrolysis Capacitor (10,000μF)	
11	TA50026	Degauss Switch	
12	BP50028A	Deguss Switch Button	
13	TA50026	Service Switch	
14	BP10015	A. C. Service Socket	
15	MS80007	Rectifier Support Bracket	
16	MS80008	Rectifier	
17	MS80009	Socket Housing (3191-2P-1)	
18	MS80010	Socket Housing (3191-2R)	
19	MS80011	Socket Housing (3191-3P-1)	,
20	MS80012	Socket Housing (3191-3R)	
21	MS80013	Socket Housing (3191-12P-1)	
22	MS80014	Socket Housing (3191-12R)	
23	MS80015	Socket Housing (3191-6P-1)	
24	MS80016	Socket Housing (3191-6R)	
25	TA50039	Pin	
26	TA50040	Pin	
27	MS80017	Nut	
28	MS80018	P. C. Pack	
29	MS80019	Bracket	
30	TA50020	Speaker	
31	CCA7013	Screw Bolt	
32	CC70041	Counter Bracket	
33	TA50035	Counter	
34	CCA7032	Coin Shoot Rail	



# 9 CONTROL PLATE ASSEMBLY

		•	
NO.	PARTS NO.	DESCRIPTION	
· 1	MSA8007	Control Plate	
2	MS80025	Control Lever Assy	
3	MSA8026	Control Lever	
4	MS80027	Control Lever Ring	
5	MS80028	E Ring	
6	MS80029	Control Base	
7	MS80030	Spring	
8	MS80031	Blind	
9	MS80032	Control Mounting Bracket	
10	MS80033	Control Base Bracket	
11	MB20025	Micro Switch	
12	CC70046	Bolt (3M × 20M)	
13	MS80034	Bolt (4M)	
14	MS80035	Earth Rag	
15	MS80036	Bolt (3M)	
16	MS80037	Bolt (4M)	
17	MS80038	Nut (4M)	
18	CC70050	Cover	
19	CCA7028	Control Knob	
20	CC70025	Selection or Firing SW. Assy	
21	CC70051	Selection or Firing Button	
22	CC70052	Selection or Firing Button Base	
23	CC70053	Spring	
24	CC70054	Selection Micro Switch	
25	CC70055	Washer	
26	CC70046	Bolt (3M x 20M)	
27	CC70056	Nut (3M)	
28	CC70057	Nut	
29	CC70058	Bolt	
30	CC70059	Nut	
31	CCA7029	Coin Door	
32	AL20019	Coin Selector	
33	TA50010	Micro SW.	
34	CC70060	Bolt	
35	CC70061	Nut (4M)	
36	CC70062	Fasten Terminal	
37	CC70008	Key Set	
38	CCA7030	Key Rock Plate	
39	CCA7031	Key Rock	
		•	<del></del>

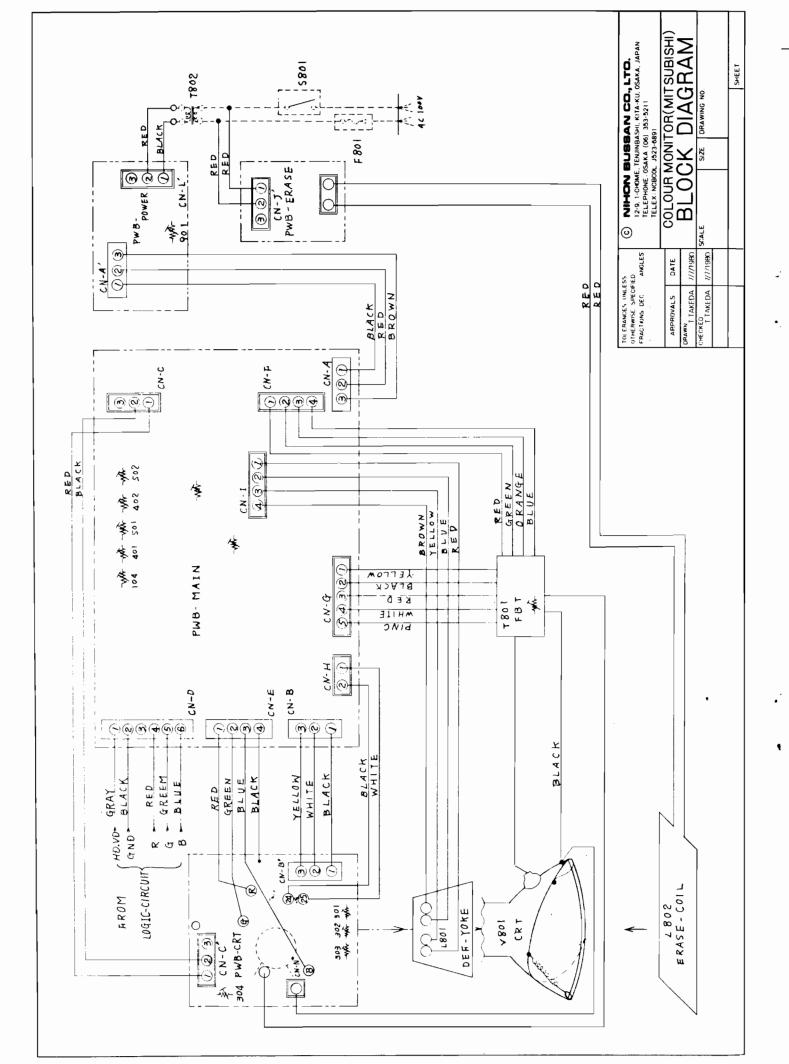
~

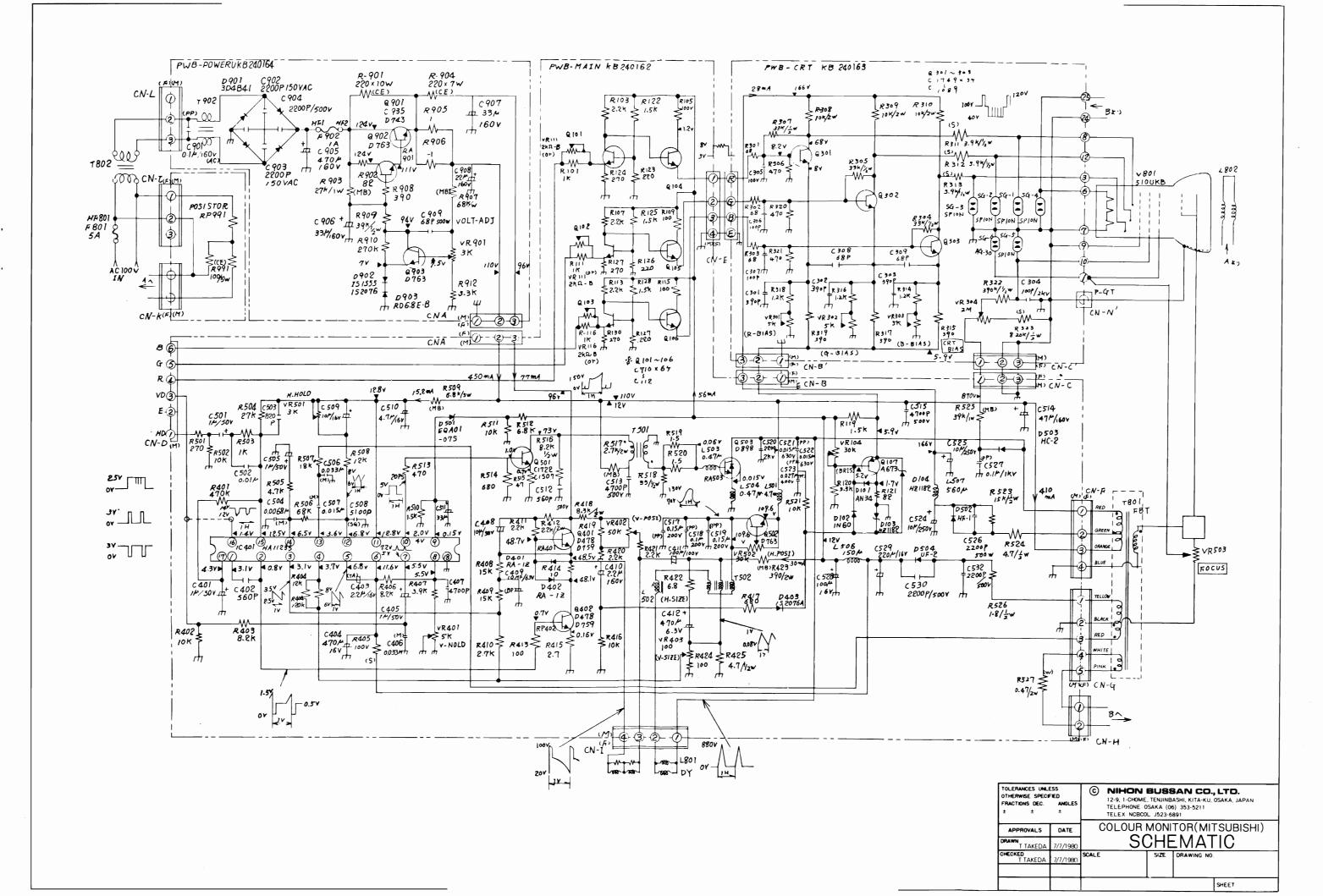


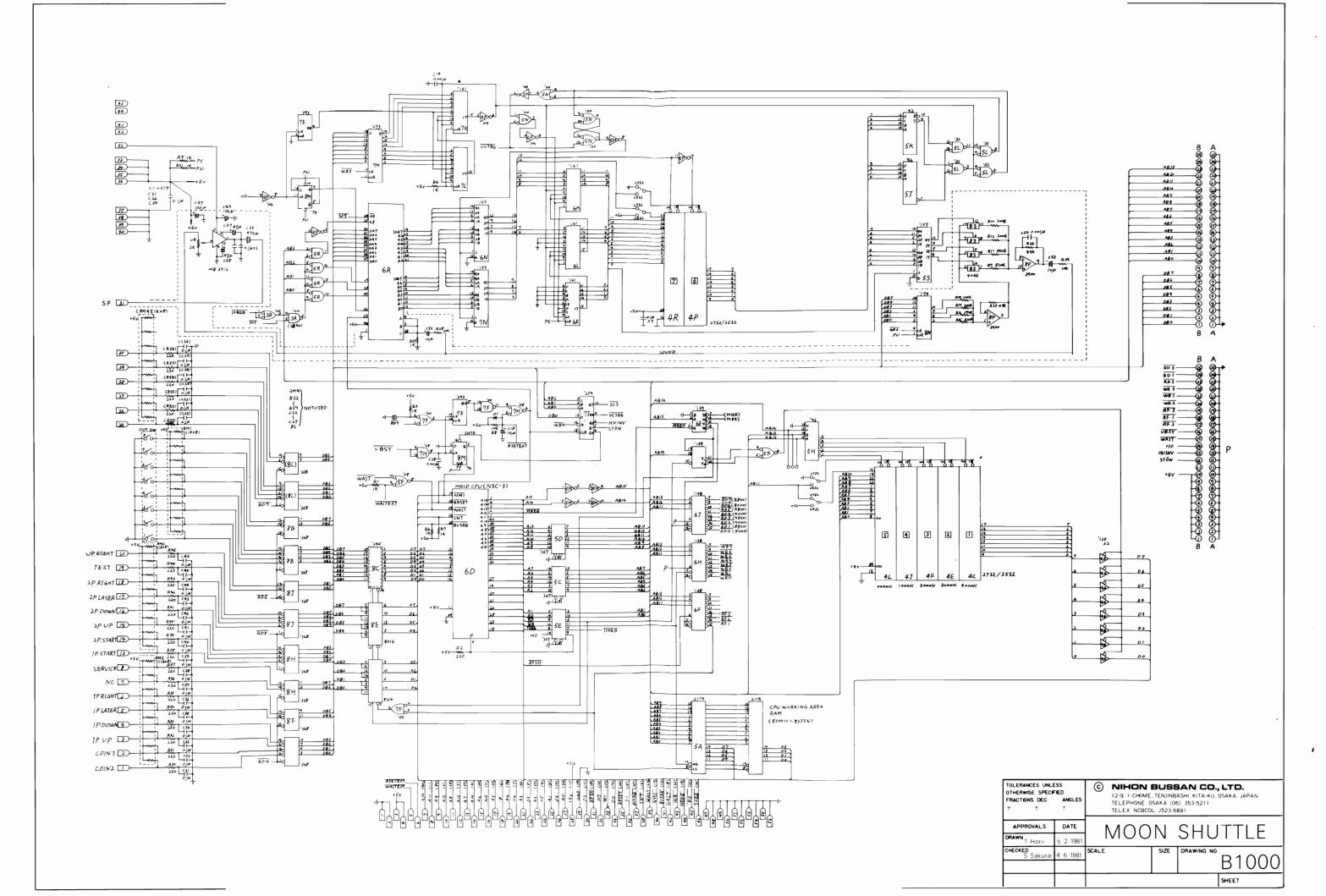
## 10 PRINTED BOARD ASSEMBLY

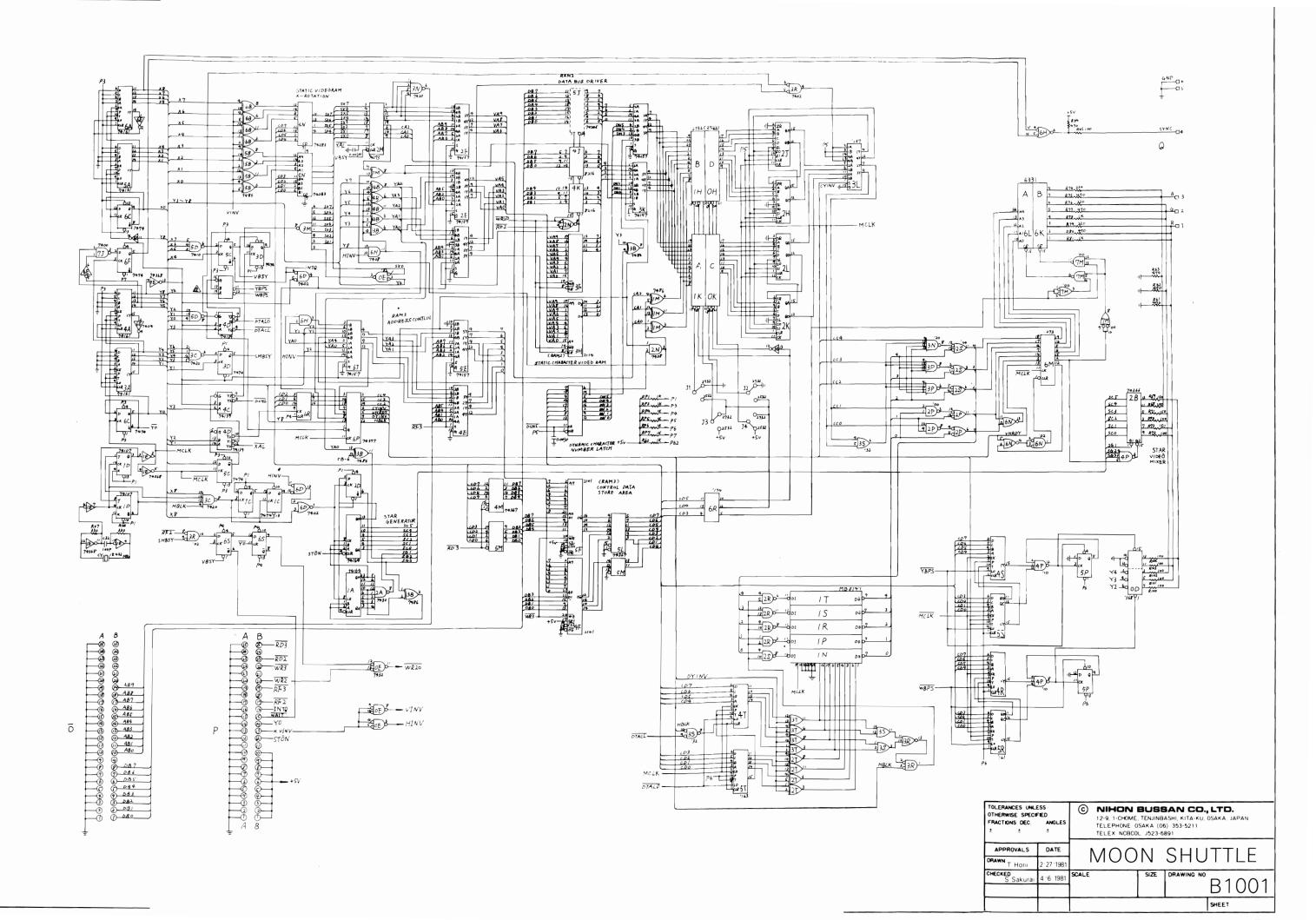
NO.	PARTS NO.	DESCRIPTION	
1	MS80020	P. C. Board Assy	
2	MS80021	MS-1 P. C. Board	
3	MS80022	MS-2 P. C. Board	
4	MB20032	Flat Cable (50P)	
5	CC70063	Nylon Push	
6	PC50035	Key Connector (44P)	
7	CCA7032	Main Switch Box	·
8	BP10041	Power Switch	
9	PC50051	Fuse Holder (FH-032)	
10	PC50052	Fuse (5A)	
11	PC50029	Nylon Clip (KD-2N)	
12	PC50030	Nylon Clip (KD-4N)	
13	PC50031	Nylon Clip (KD-7N)	
14	TA50037	Socket Housing (2P)	
15	TA50038	Socket Housing (2R)	
16	PC50045	Socket Housing (3P)	
17	PC50046	Socket Housing (3R)	
18	PC50041	Socket Housing (6P)	
19	PC50042	Socket Housing (6R)	
20	MB20045	Socket Housing (9P)	
21	MB20046	Socket Housing (9R)	
22	TA50039	Pin	
23	TA50040	Pin	

**1** 

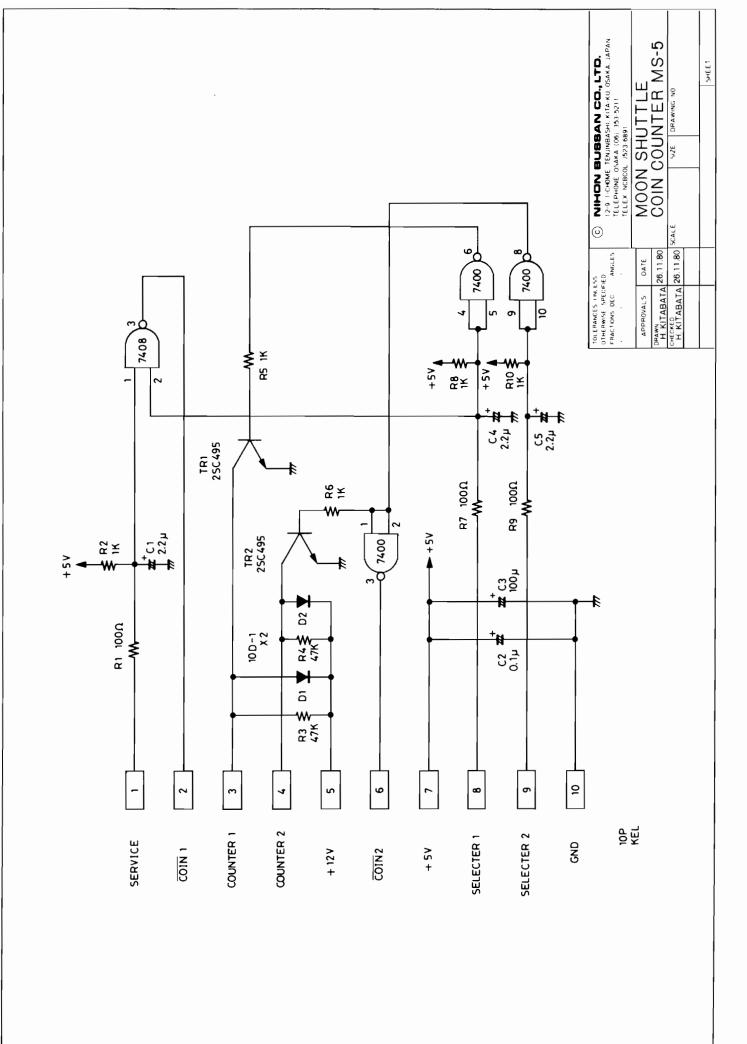




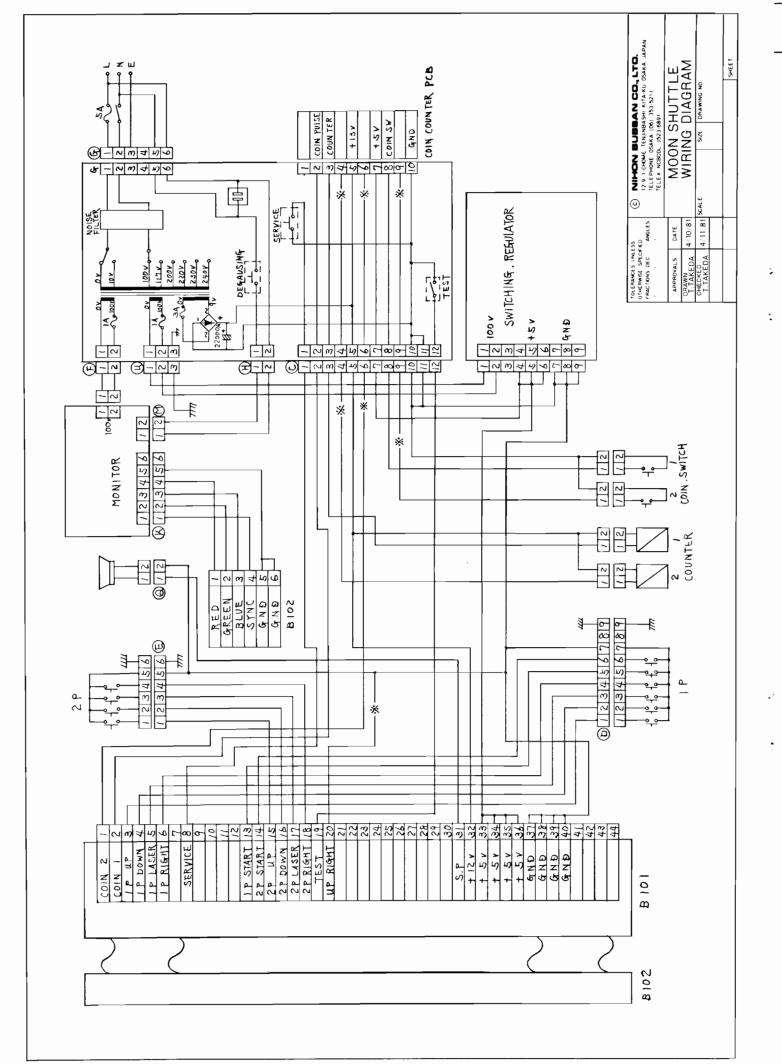




•			
•			



٠.



:			
÷			
٠.			
;			





#### HEAD OFFICE:

12-9, 1-chome, Tenjinbashi, Kita-ku, Osaka, Japan TEL (06) 353-5211 TELEX 523-6891 NCBCOL J

BRANCH OFFICE:

TOKYO: TEL. (03) 664-5271 HIROSHIMA: TEL. (0822) 64-4531 NARA: TEL. (0742) 33-6311 SAPPORO: TEL. (011) 824-2571 SENDAI: TEL. (0222) 65-5571 KYOTO: TEL. (0774) 44-6262 NICHIBUTSU GROUP:

 Nichibutsu Kyushu Co., Ltd. TEL (092) 472-7221
 Nichibutsu Leisure System Co., Ltd. TEL (03) 664-6774

 Nichibutsu U.S.A. Corp.
 1815 W. 205th St. Unit #302 Torrance, California, 90501, U.S.A.

Nichibutsu U.K. Ltd.

1815 W. 205th St. Unit #302 Torrance, California, 90501, U.S. A. TEL. (213) 320-5855 TELEX 9103496664 NCBTUSA TRNC 999 Wolverhampton Road Oldbury, West Midlands, B69 4RJ U.K. TEL. (021) 544 4299 TELEX 335949 NICHUK G

Nichibutsu Europe GmbH

Paul-Ehrlich-Strasse 17 D-6074 Rödermark